



ep2651

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Dong-Ho Oh, et al.
Serial No.: 10/618,141

Filed: 7/10/03

Title: METHOD AND APPARATUS
REDUCING OFF-TRACK HEAD
MOTION DUE TO DISK
VIBRATION IN A DISK DRIVE
USING CONFIGURATION OF THE
DISK DRIVE SERVO
CONTROLLER

Group Art Unit: 2651

Examiner: Not yet known

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Attorney Docket No.: 139-025U

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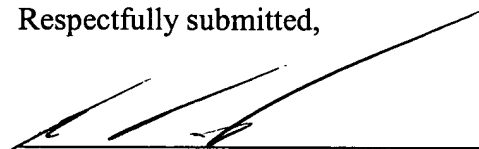
- ☒ under 37 CFR 1.97(b), or
(Within three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
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X Applicant(s) submit herewith Form PTO/SB/08A and PTO/SB/08B-Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

The relevance of the attached references is that this is the closest art of which Applicant is aware. Applicant submits that the above references taken alone or in combination neither anticipate nor render obvious the present invention. Consideration of the foregoing in relation to this application is respectfully requested.

It is requested that the information disclosed herein be made of record in this application.

Respectfully submitted,



GREGORY SCOTT SMITH
Attorney/Agent for Applicant(s)
Reg. No. 38,309

Date: November 20, 2003

Telephone No.: (510) 742-7417

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Mail Stop IDS, P.O. Box 1450, Alexandria, VA 22313-1450.

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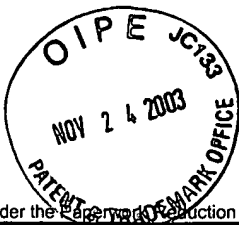
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| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | | | |
| | | Application Number | 10/618,141 | | |
| | | Filing Date | 7/10/2003 | | |
| | | First Named Inventor | Oh et al. | | |
| | | Group Art Unit | 2651 | | |
| | | Examiner Name | Not yet known | | |
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|---------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| Examiner Initials* | Cite No. | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | 1 | Aurthor unknown, Design of a Disk Drive Servo: A Case Study, 37 pages, Chapter 14. | |
| | 2 | LI, YUNFENG and HOROWITZ, ROBERTO, Active Vibration Control of a PZT Actuated Suspension in Hard Disk Drives, date unknown, 6 pages. | |
| | 3 | MCALLISTER, S. JEFFREY, The Effect of Disk Platter Resonances on Track Misregistration in 3.5 Inch Disk Drives, IEEE Transactions on Magnetics, May 1996, 5 pages, volume 32, Number 3. | |
| | 4 | HAO, QI et al., TMR Online Optimization Using Quasi-Newton Method for HDD Servo Systems, Proceedings of the American Control Conference, June 2000, 55 pages, Chicago, Illinois. | |
| | 5 | GOH, B. TECK et al., Design and Implementation of a Hard Disk Drive Servo System Using Robust and Perfect Tracking Approach, IEEE Transaction on Control Systems Technology, March 2001, 13 pages, Volume 9, Number 2. | |
| | 6 | LI, YUNFENG and HOROWITZ, ROBERTO, Mechatronics of Electrostatic Microactuators for Computer Disk Drive Dual-Stage Servo Systems, IEEE/Asme Transactions of Mechatronics, June 2001, 11 pages, Volume 6, Number 2. | |
| | 7 | LI, YUNFENG and HOROWITZ, ROBERTO, Active Suspension Vibration Control with Dual Stage Actuators in Hard Disk Drives, Proceedings of the American Control Conference, June 25-27, 2001, 6 pages. | |
| | 8 | Y. LI, R. HOROWITZ, Design and Testing of Track-Following Controllers for Dual-Stage Servo Systems with PZT Actuated Suspensions, Microsystem Technologies 8 (2002), 12 pages, Springer-Verlag 2002. | |
| | 9 | Web Control Articles, 164 pages, 10/10/02. | |
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| Examiner Signature | | Date Considered | |
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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.
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